

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number  
**WO 2005/095397 A1**

(51) International Patent Classification<sup>7</sup>: **C07D 471/04**,  
A61K 31/437, A61P 11/06, 35/02, 37/08

(74) Agent: **GSCHWEND, Thomas**; Actelion Pharmaceuti-  
cals Ltd, Gewerbestrasse 16, CH-4123 Allschwil (CH).

(21) International Application Number:  
PCT/EP2005/002362

(22) International Filing Date: 7 March 2005 (07.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PCT/EP2004/002493  
11 March 2004 (11.03.2004) EP

(71) Applicant (for all designated States except US): **ACTE-  
LION PHARMACEUTICALS LTD** [CH/CH]; Gewerbe-  
strasse 16, CH-4123 Allschwil (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FRETZ, Heinz**  
[CH/CH]; Grenzachweg 295, CH-4125 Riehen (CH).  
**FECHER, Anja** [DE/CH]; Ochsen-gasse 18, CH-4123  
Allschwil (CH). **HILPERT, Kurt** [CH/CH]; Eichen-  
strasse 5, CH-4114 Hofstetten (CH). **RIEDERER,  
Markus** [CH/CH]; Friedensstrasse 4, CH-4410 Liestal  
(CH).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: TETRAHYDROPYRIDOINDOLE DERIVATIVES

(57) Abstract: The invention relates to tetrahydropyridoindole derivatives and their use as active ingredients in the preparation of pharmaceutical compositions. The invention also concerns related aspects including processes for the preparation of the compounds, pharmaceutical compositions comprising one or more of those compounds and methods of treatment comprising administration of said compounds.



WO 2005/095397 A1